

## 32-2743: PSMA4 Recombinant Protein

**Alternative Name :** Proteasome subunit alpha type-4, Macropain subunit C9, Multicatalytic endopeptidase complex subunit C9, Proteasome component C9, Proteasome subunit L, PSMA4, HC9, PSC9, HsT17706.

### Description

Source : E.coli. PSMA4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 285 amino acids (1-261) and having a molecular mass of 32kDa. PSMA4 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Proteasome subunit alpha type 4 (PSMA4) belongs to the peptidase T1A family, which is a 20S core alpha subunit. The proteasome is a multicatalytic proteinase complex with an extremely ordered ring-shaped 20S core structure. The core structure is comprised of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. PSMA4 is dispersed throughout eukaryotic cells at a high concentration and cleaves peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The PSMA4 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 1mM DTT and 0.1mM PMSF.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMSRRYD SRTTIFSPG RLYQVEYAME AIGHAGTCLG ILANDGVLLA  
AERRNIHKLL DEVFFSEKIY KLNEDMACSV AGITSDANVL TNELRLIAQR YLLQYQEPPIP CEQLVTALCD  
IKQAYTQFGG KRPFVSVLLY IGWDKHYGFQ LYQSDPSGNY GGWKATCIGN NSAAAVSMLK  
QDYKEGEMTL KSALALAIKV LNKTMDVSKL SAEKVEIATL TRENGKTIVIR VLKQKEVEQL IKKHEEEEA  
AEREKKEKEQ KEKDK.